

What is claimed is:

1. A method of forming a mold insert for molding an article, comprising:
providing a flocked transfer sheet, an activatable permanent adhesive film, and a thermoplastic backing film and
laminating the flocked transfer sheet, the activatable permanent adhesive film, and
5 the backing film together to form a mold insert.
2. The method of Claim 1, further comprising:
forming the mold insert into a three dimensional shape matching at least a portion of mold for forming a molded article comprising the mold insert.
3. The method of Claim 2, further comprising:
locating the mold insert in the mold; and
introducing resin into the mold, such that a resin contacts the mold insert to form a molded article.
4. The method of Claim 1, wherein a release sheet is affixed to a first surface defined by the flock fibers and the permanent adhesive layer to an opposing second surface defined by the flock fibers.
5. The method of Claim 4, wherein during the laminating step the permanent activatable adhesive is fully activated.

6. The method of Claim 1, wherein the permanent adhesive is a thermoset adhesive and the laminating step comprises:

contacting the adhesive film with the backing film to form an intermediate assembly; and

5 laminating the intermediate assembly to the flocked transfer sheet.

7. The method of Claim 1, wherein a continuous length of the flocked transfer sheet comprises a plurality of discrete flocked regions.

8. The method of Claim 1, wherein the permanent adhesive layer and backing films are each a cast and/or extruded, continuous film.

9. The method of Claim 1, wherein the permanent adhesive layer is not a fabric and wherein the permanent adhesive is distributed discontinuously over the adjoining surface of the flocked transfer sheet.

10. The method of Claim 1, wherein, after the laminating step, a plurality of mold inserts are located on a continuous length of backing film and further comprising:

cutting the backing film to provide a plurality of disconnected mold inserts.

11. The method of Claim 9 wherein, after the cutting step, the mold insert comprises a flocked area surrounded at least substantially by an unflocked area of the backing film.

12. The method of Claim 3, wherein the flocked transfer sheet comprises
PCT.

13. An article comprising an antimicrobial agent, comprising:
a plurality of flock fibers located on a substrate, wherein at least most of the fibers comprises an antimicrobial agent.

14. The article of Claim 13, wherein each of the fibers has a denier of no more than about 5.

15. The article of Claim 13, wherein each of the fibers has a denier of no more than about 2.

16. The article of Claim 13, wherein each of the fibers has a denier of no more than about 3, and the antimicrobial agent is located in and/or on the plurality of fibers.

17. The article of Claim 13, wherein the substrate has a surface area on at least one surface of the substrate and the fiber placement density on the at least one surface is at least about 50% fibers/in² and wherein the antimicrobial agent is located in and/or on the plurality of fibers.

18. The article of Claim 13, wherein the substrate has a surface area on at least one surface of the substrate and the fiber density on the at least one surface is at least about 50,000 fibers/in².

19. The article of Claim 13, wherein the substrate has a surface area on at least one surface of the substrate and the fiber surface area per unit area of the at least one surface is at least about 100,000 in² of fiber surface area/in² of surface area of the at least one surface and wherein the antimicrobial agent is located in and/or on the plurality of
5 fibers.

20. A method for forming an antimicrobial article, comprising:
providing a plurality of flock fibers, each flock fiber comprising an antimicrobial agent;
and

electrically charging the plurality of flock fibers with a first electrical charge
5 while simultaneously electrically charging an adhesive-coated substrate with a second
electrical charge opposite to the first electrical charge, whereby the flock fibers are
contacted with the adhesive.

21. The method of Claim 20, wherein, after the electrically charging step, the
substrate comprises at least about 50% fibers /in².

22. The method of Claim 20, wherein at least most of the flock fibers has a
denier of no more than about 5.

23. An article comprising an antimicrobial agent, comprising:
a plurality of fibers located on a substrate, wherein each of the fibers has a denier of no more than about 5 and comprises an antimicrobial agent.

24. The article of Claim 23, wherein the substrate has a surface area on at least one surface of the substrate and the fiber placement density on the at least one surface is at least about 50% fibers/in² and wherein the antimicrobial agent is located in and/or on the plurality of fibers.

25. The article of Claim 23, wherein the substrate has a surface area on at least one surface of the substrate and the fiber density on the at least one surface is at least about 50,000 fibers/in² and wherein the antimicrobial agent is located in and/or on the plurality of fibers.

26. The article of Claim 23, wherein the substrate has a surface area on at least one surface of the substrate and the fiber surface area per unit area of the at least one surface is at least about 100,000 in² of fiber surface area/in² of surface area of the at least one surface and wherein the antimicrobial agent is located in and/or on the plurality of
5 fibers.